(19) World Intellectual Property **Organization** International Bureau





(43) International Publication Date 25 August 2005 (25.08.2005)

PCT

(10) International Publication Number WO 2005/078107 A1

(51) International Patent Classification⁷: 9/02, 5/10, A01H 5/00, C12N 15/53

C12N 15/82,

(74) Agent: WINCKELS, J.H.F.; Johan de Wittlaan 7, NL-2517 JR Den Haag (NL).

(21) International Application Number:

PCT/NL2005/000114

- (22) International Filing Date: 17 February 2005 (17.02.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

- (30) Priority Data: 04075510.0 17 February 2004 (17.02.2004) EP
- (71) Applicant (for all designated States except US): NED-ERLANDSE ORGANISATIE VOOR TOEGEPAST-**NATUURWETENSCHAPPELIJK ONDERZOEK** TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KORTHOUT, Henricus, Adriaan, Anne, Jacobus [NL/NL]; Domineestuin 2, NL-1544 PT Zaandijk (NL). CASPERS, Martinus, Petrus, Maria [NL/NL]; Leeuweriklaan 6, NL-2289 EG Rijswijk (NL). WANG, Mei [NL/NL]; Rhijngeesterstraatweg 52, NL-2341 BV Oegstgeest (NL).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Express Mail Number

EV 559897374 US

(54) Title: CONTROL OF PROGRAMMED DEATH (PCD) IN PLANTS

(57) Abstract: The invention relates to a method of controlling programmed cell death in plants. In one aspects the present invention relates to such a method wherein a transgenic plant is produced that is less susceptible to stress-induced programmed cell death. The invention thus provides a method for controlling programmed cell death in a plant or plant-part comprising modifying the activity and/or expression of 2-oxoglutarate dehydrogenase-homologous protein in the cells of said plant or plant-part.



